



Minnesota Pollution Control Agency

January 31, 1986

PRELIMINARY ASSESSMENT EXECUTIVE SUMMARY

Aligned Fiber Composites, Inc. (AFC, Inc.)
MND062859038

Situation

Aligned Fiber Composites, Inc. (AFC, Inc.), located one mile south of Chatfield, Fillmore County, Minnesota, manufactures structural fiberglass materials such as fence posts and industrial gratings. Fiberglass is formed at the plant by combining glass with polyester and vinyl ester resins, then adding a catalyst to speed the reactive resin hardening process, resulting in the formation of an inert, polymerized material. As the final products are shaped and smoothed, contact cooling water carries away the small fiberglass trimmings to three unlined settling lagoons. The lagoons discharge into an unnamed creek and ditch which flow to the North Branch of the Root River about 2/3-mile west of the site.

The concern of the Minnesota Pollution Control Agency (MPCA) staff is that the fiberglass trimmings may not be fully reacted and in a solid state. The resins used in the manufacturing process may have the potential to be hazardous, depending on the type of resins used. In addition, it is believed that acetone is used in the process. Both the resins and the acetone may be present within the contact cooling water when discharged to the lagoons.

The MPCA approved the co-disposal of the dehydrated settling lagoon sludge at the Olmstead County Sanitary Landfill in October of 1984. All other wastes from the AFC, Inc., facility (larger fiberglass waste materials, reacted polyester resins, and reacted coatings) have routinely been taken directly to a landfill for co-disposal.

No known hazardous waste has been discovered at the site, but the potential does exist. With the potential disposal of hazardous resins and acetone to the unlined lagoons, an approximate population of 2,530 within a 3-mile radius potentially could be affected. Ground water and surface water contamination is presently not known to exist.



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Inspection Priority Recommendation

The MPCA staff have conducted a Preliminary Assessment for aligned Fiber Composites, Inc. (AFC, Inc.). As a result, the Agency staff believe that the site represents a <u>low potential hazard</u> to the environment because ground water contamination has not been verified. In conclusion, the MPCA staff hereby recommend that the site be assigned a <u>low priority for inspection</u> because there is no evidence of ground water contamination.

	OTENTIAL HAZA	RDOUS WASTE SITE	. L	ENTIFICATION			
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II. SITE NAME AND LOCATION	TO STE INFORMA	TION AND ASSESSME	:N1				
O1 SITE NAME guages common, or descriptive name of alte)	(AFC, Inc.)	02 STREET, ROUTE NO . OR	PECIFIC LOCATION DENT	FER			
Aligned Fiber Composites	Inc.	Highway 52	South				
03 CTY		1 1		07 COUNTY 08 CONG CODE DIST			
Chatfield	······································	MN 55923	Fillmore	045 01			
00 COORDINATES LATITUDE 43°49′58.0″	LONGITUDE //	chatfield 7.	- Maria	A Company of the Company			
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03 C114		04 STATE 05 ZIP CODE	06 TELEPHONE NUM	SER .			
chatfield	**	MN 55923	15071867-	3479			
07 OPERATOR (If known and different from owner)		OB STREET (Business, making, re	e-served to the server of the	1,28,25,40			
same							
OP CITY		10 STATE 11 ZIP CODE	12 TELEPHONE NUM	SER .			
13 TYPE OF OWNERSHIP (Creek erre)							
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□ F. OTHER:	eactly)	G. UNKN	IOWN - 1 - 1 - 1 - 1 - 1 - 1	and the second second			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Cheek of that on	ek)			· · · · · · · · · · · · · · · · · · ·			
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IV. CHARACTERIZATION OF POTENTIAL HAZAR	10						
	(Check all that apply) A. EPA 🔲 B. EF	A CONTRACTOR	C. STATE D.	OTHER CONTRACTOR			
YES DATE MONTH DAY YEAR	E. LOCAL HEALTH OF	LOCAL HEALTH OFFICIAL					
	ONTRACTOR NAME(S):						
02 SITE STATUS (Check one) 23 A. ACTIVE	03 YEARS OF OPE	RATION	⊠ i m	IKNOWN			
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Reacted coatings) 10/10, 3011	1016				
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Surface water (environme	ent)						
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A. HEGH B. MEDIUM Properties required processing requirements	図.C.LOW Manager day day	D. NON	E Ner estlen resodud, europhilis eur	and deposition form)			
VL INFORMATION AVAILABLE FROM							
01 CONTACT	O2 OF (Agency/Organ			03 TELEPHONE NUMBER			
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	MPCA	Solid + Hazurda	OT TELEPHONE NUI	1			
Shawn Ruotsinoja	NI FC /4	waste Division	(612)296-7	MONTH DAY YEAR			

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Codi	sposal request				aste (MP	CA, DC+ 2, 1984)	

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT TO DESCRIPTION OF HAZARDOUS CONDITIONS AND INC.

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

MN D062859038

PART'S. DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS II. HAZARDOUS CONDITIONS AND INCIDENTS **EPOTENTIAL** C ALLEGED - 125 additional dwellings in 2-mile radius from site; pop: 475 - Total population potentially affected = 2530 02 COBSERVED (DATE E POTENTIAL ALLEGED _ 04 NARRATIVE DESCRIPTION - The North Branch of the Root River is located approximately 2/3 of a mile to the west of the site. It is not a source for drinking water. - Ponds dischare to an unnamed creek + ditch which flow to the N. Branch of the Root River. 02 © OBSERVED (DATE _____ 04 NARRATIVE DESCRIPTION 01 T C CONTAMINATION OF AIR E POTENTIAL _ ALLEGED 03 POPULATION POTENTIALLY AFFECTED _____ Unknown 01 C D. FIRE/EXPLOSIVE CONDITIONS 02 COBSERVED (DATE ... ALLEGED 03 POPULATION POTENTIALLY AFFECTED. _ 04 NARRATIVE DESCRIPTION un known .. 02 - OBSERVED (DATE _ 01 E. DIRECT CONTACT C POTENTIAL I ALLEGED 03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION NA 01 KF CONTAMINATION OF SOIL 02 - OBSERVED (DATE _ X POTENTIAL _ ALLEGED 03 AREA POTENTIALLY AFFECTED. 2 acres (estimate) 04 NARRATIVE DESCRIPTION See A. Groundwater Contamination 01 M.G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 2530 PYPOTEN" ILL 02 OBSERVED (DATE: _ T ALLEGED . 04 NARRATIVE DESCRIPTION see A. Groundwater contamination 01 | H. WORKER EXPOSLIRE/INJURY 02 DOBSERVED (DATE. _ POTENTIAL - ALLEGED 03 WORKERS POTENTIALLY AFFECTED: __ 04 NARRATIVE DESCRIPTION unknown 01 II. POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE III POTENTIAL ☐ ALLEGED 03 POPULATION POTENTIALLY AFFECTED: O4 NARRATIVE DESCRIPTION

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POTENTIAL HAZARDOUS WASTE SITE _PRELIMINARY ASSESSMENT

DOUS WASTE SITE

ASSESSMENT

OF STATE OF SITE MARKER

MN D062859

D062859038 PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS IL HAZARDOUS CONDITIONS AND INCIDENTS (Contract) 02 - OBSERVED (DATE ___ 01 🛘 J. DAMAGE TO FLORA D POTENTIAL ☐ ALLEGED 04 NARRATIVE DESCRIPTION UNKNOWN 01 | K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Section Associate) _) D POTENTIAL 02 OBSERVED (DATE: _ D ALLEGED Unknown D POTENTIAL 01 D L. CONTAMINATION OF FOOD CHAIN 02 C OBSERVED (DATE C ALLEGED 04 NARRATIVE DESCRIPTION ... Attended to the State , , , , , , , , **Q**() and the second . Unknown 01 図 M. UNSTABLE CONTAINMENT OF WASTES 02 D OBSERVED (DATE. _ Z POTENTIAL **L ALLEGED** 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION Storage lagoons unlined 01 D N. DAMAGE TO OFFSITE PROPERTY 02 C OBSERVED (DATE: ___ D POTENTIAL ☐ ALLEGED 04 NARRATIVE DESCRIPTION Chknown D POTENTIAL 01 🗆 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 🗇 OBSERVED (DATE. ___ C ALLEGED 04 NARRATIVE DESCRIPTION 01 D P. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED 04 NARRATIVE DESCRIPTION 05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS NA 2530 III. TOTAL POPULATION POTENTIALLY AFFECTED: IV. COMMENTS V. SOURCES OF INFORMATION (Cite specific references, # g. state fine, compile analysis, reports) AFC NPDES Permit MPCA Lists of avesticinel'e Industrial waste Lisposal Practices of Concern to DWQ Request for Codisposal of a Nonhazardous Industrial waste (May 15, 1981)

